



## SPARKLIKE LASER™ PRODUCT LINE

Sparklike Laser™ product line is based on laser technology (TDLAS). The devices measure oxygen, and the results are converted to argon, krypton and other insulating gases.

1. **Sparklike Laser Standard™**, an offline solution for test labs and desktop use.
2. **Sparklike Laser Portable™**, a whole system integrated into a heavy duty case with wheels and a battery for mobility in factories and building sites.
3. **Sparklike Laser Online™**, custom made solution integrated to an IG line for automated inspection.

## KEY USERS

Typical user segments are insulating glass manufacturers, window and door manufacturer testing laboratories, building quality inspectors and construction consultants.

Sparklike is known for its devices, which are the first non-invasive tools for gas detection. After being in the market for more than 15 years, Sparklike's devices are considered an industry standard worldwide.



## INTELLIGENT NON-INVASIVE METHOD TO ANALYZE INSULATING GLASS GAS FILL

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# SPARKLIKE LASER™ PRODUCT LINE

## NEW NON-INVASIVE INSULATING GAS FILL ANALYZERS

Sparklike's new product line analyzes IG gas concentration on triple and double glazed units.

Measurement can be done also through coated and laminated glasses.

All Sparklike Laser™ devices are developed and hand-assembled in Finland.



## BENEFITS OF NON-INVASIVE MEASUREMENT BY SPARKLIKE LASER™

1. Analyzing of double and triple glazed units, also through coated and laminated glasses.
2. Accurately determining IGU glass and cavity thicknesses.
3. Conducting the analysis at any point of the production flow. Devices can also be integrated to an IG line for online analysis.
4. Analyzed units can be delivered to end user and checked again at a later date.

## TECHNICAL SPECIFICATIONS

Thickness measurement accuracy  
Gas measurement accuracy  
Measurement Time

Maximum IG thickness

Minimum glass thickness  
Main power supply values  
Max. input power  
Connections  
Display  
Software

Data Logging Capability

+/- 50 µm (\*)  
+/- 1,5% StDev.(\*)  
Double glazed unit (DGU) 16-22s and triple glazed unit (TripleGU) 18-30s //  
Laser Online: DGU 9s and TripleGU 15s  
51mm (from surface 1 to surface 3 with DGU, from surface 1 to 5 with TripleGU)  
2mm  
Selectable 100-240  
250W  
RJ-45, 2x USB 2.0  
10,1" Touch Screen  
Laser Software by Sparklike, Windows 7  
Embedded Standard  
Virtually unlimited

### LASER STANDARD™



Dimensions (L x W x H, in mm):

|                |                 |
|----------------|-----------------|
| Main unit      | 500 x 350 x 132 |
| Measuring head | 350 x 150 x 350 |
| Cable          | 1,85m           |
| Weight         |                 |
| Main unit      | 16 kg           |
| Measuring head | 6 kg            |

### LASER PORTABLE™



Dimensions ( L x W x H, in mm):

|                |                 |
|----------------|-----------------|
| Trolley case   | 585 x 335 x 690 |
| Measuring head | 350 x 150 x 350 |
| Cable          | 1,85m           |
| Weight         |                 |
| Main unit      | 21,3 kg         |
| Measuring head | 6,6 kg          |
| Total          | 27,9 kg         |

### LASER ONLINE™

CUSTOM MADE



Dimensions (L x W x H mm; can be tailored):

|                |                      |
|----------------|----------------------|
| Main unit      | Abt. 500 x 350 x 132 |
| Measuring head | Abt. 200 x 90 x 350  |
| Cable          | Custom made          |
| Weight         |                      |
| Main unit      | 16 kg                |
| Measuring head | 6 kg                 |

(\*) Subject to the glass transmission spectrum and glass/spacer bar combination

